Title: "Method and System for Extracting Data from Surface Array Deposited Features"

Inventors: Zohar Yakhini et al.

Application No. 10/086,839

Docket No. 10020406-1



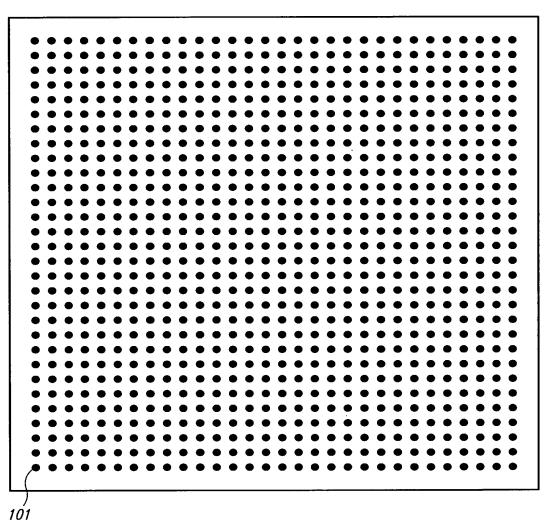


Fig. 1

Title: "Method and System for Extracting Data from Sulfface Array Deposited Features" [1] [1] [1] [1]

Inventors: Zohar Yakhini et al. Application No. 10/086,839 Docket No. 10020406-1

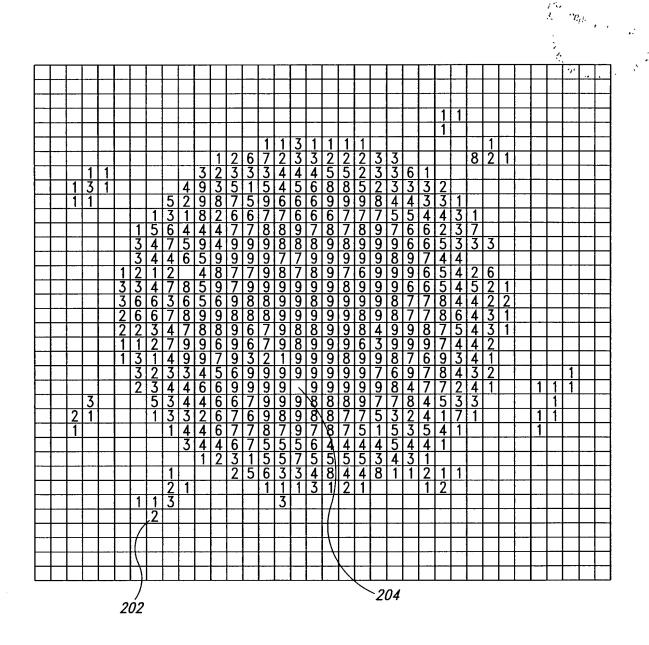


Fig. 2

Title: "Method and System for Extracting Data from Sufface Array Deposited Features" Inventors: Zohar Yakhini et al.

Application No. 10/086,839

Docket No. 10020406-1

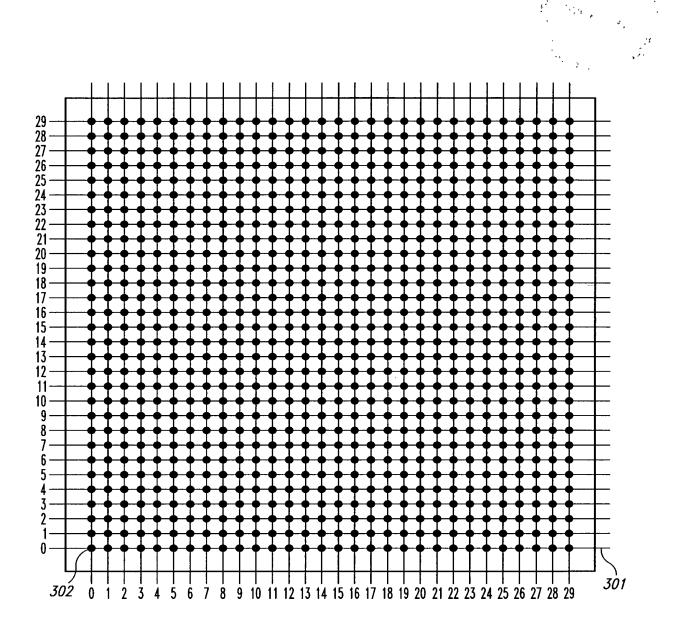
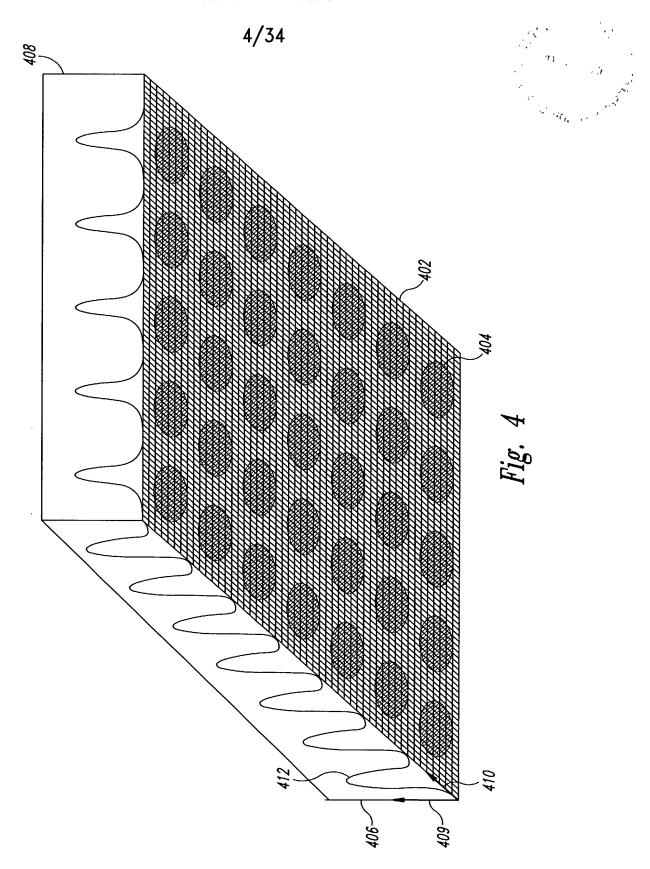


Fig. 3



Title: "Method and System for Extracting Data from Surface Array Deposited Features" Inventors: Zohar Yakhini et al.

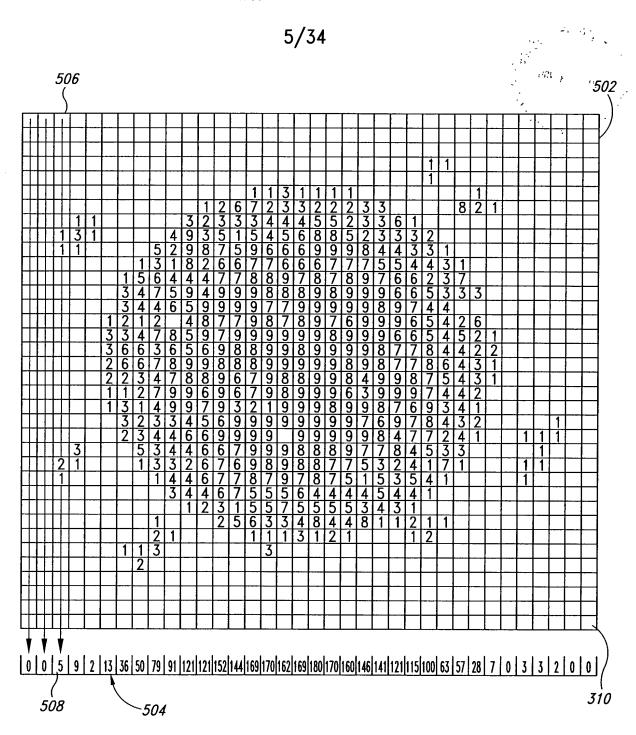
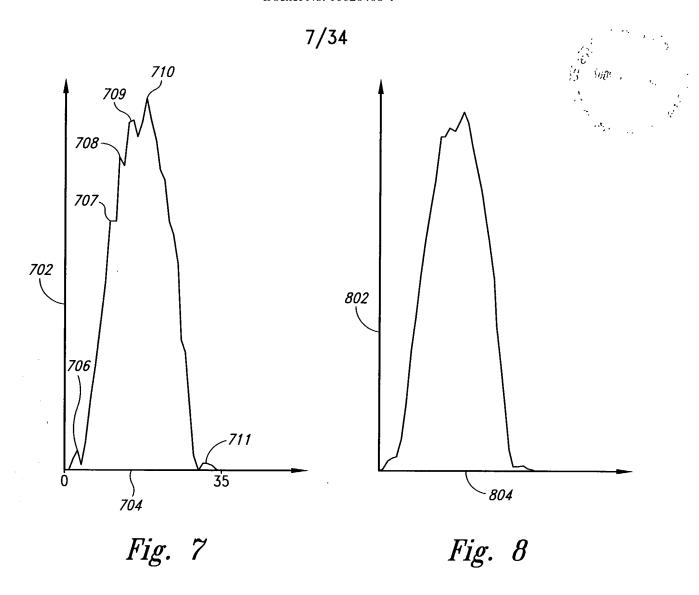


Fig. 5

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	2	5	-				- 2	4.75	610		
	3	9	-			612	3	6.25			
	4	2	-			-	4	6.5			
	5	13	-			•	5	16			
	6	36	•			•	6	33.75			
	7	50	=			-	7	59.75			
	8	79	-			-	8	74.75			
	9	91	-			•	9	95.5			
	10	121	•			_	10	113.5			
	11	121	_			_	11	128.75			
	12	152					12	142.25			
	13	144				-	13_	163			
606	<u> </u>	169 -	608				14	163			
	15	170				-	15	167.75			
	16	162	-			-	16	165.75			
	17	169					17	170			
	18	180	-				18	174.75			
	19	170	•			-	19	170			
		160				-	20	159			
	21	146	-			-	21	148.25			
	<u>22</u> 23	141 121	•			-	22	137.25			
	24	115			•	-	23 24	124.5 112.75			
	25	100				-	25	94.5			
	26	63	•			-	26	70.75			
	27	57	•			_	27	51.25			
	28	28	•			-	28	30			
	29	7	•			-	29	10.5			
	30	0	•			-	30	2.5			
	31	3	•			-	31	2.25			
	32	3	•			-	32	2.75			
	33	2	•			-	33	1.75			
	34	0				-	34	.5			
	35	0				_	35	0			
			.			-		T			

Fig. 6A

Fig. 6B



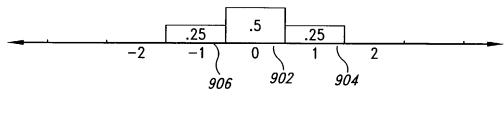
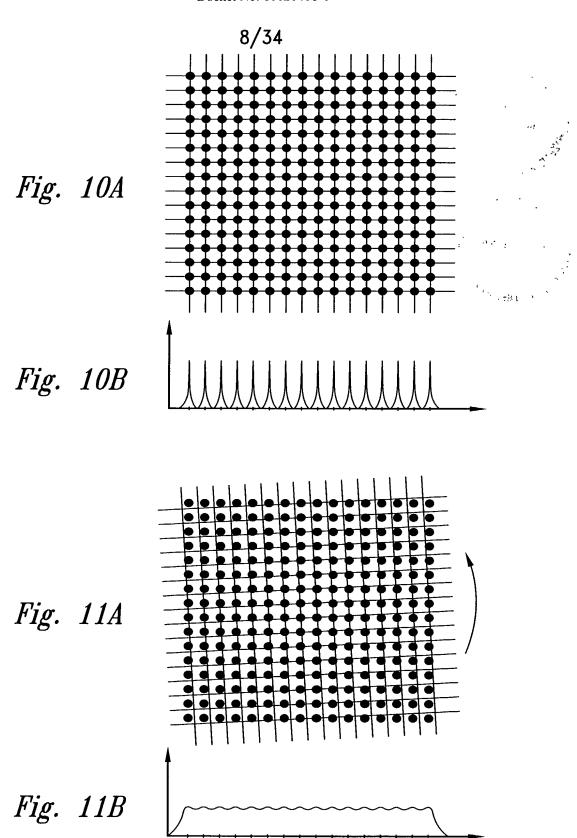
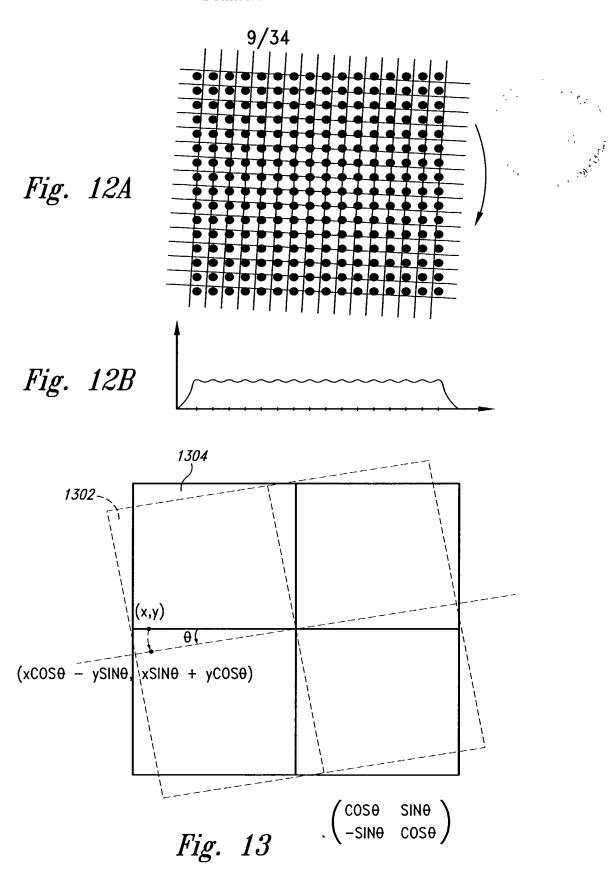


Fig. 9





Docket No. 10020406-1

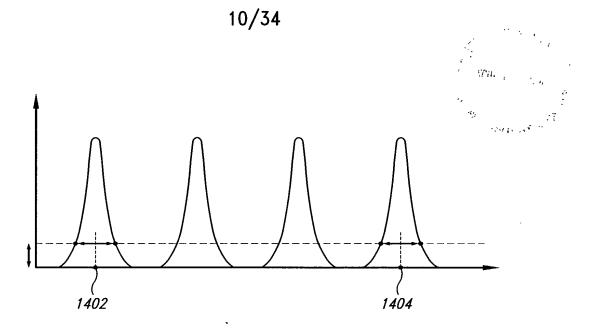


Fig. 14

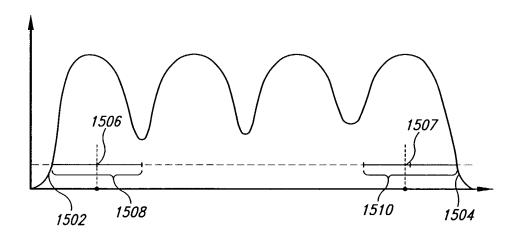


Fig. 15

Title: "Method and System for Extracting Data from Surface Array Deposited Features U.S. U.S.

Inventors: Zohar Yakhini et al. Application No. 10/086,839 Docket No. 10020406-1

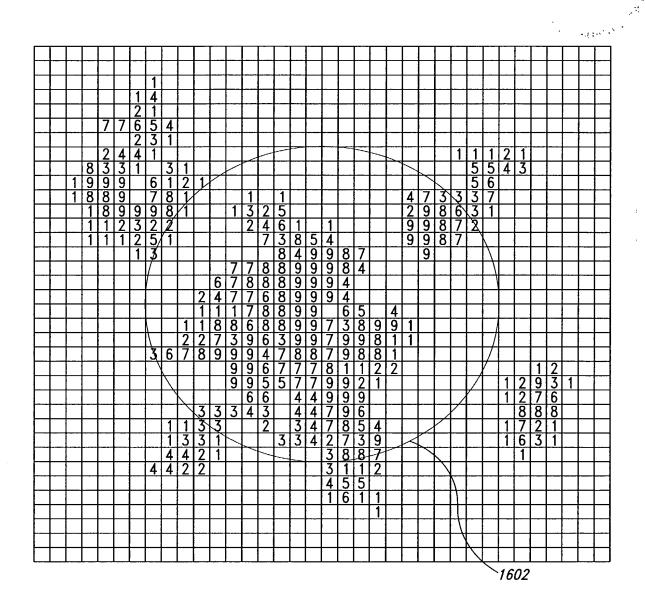


Fig. 16

Title: "Method and System for Extracting Data from Surface Array Deposited Features"

Inventors: Zohar Yakhini et al. Application No. 10/086,839 Docket No. 10020406-1

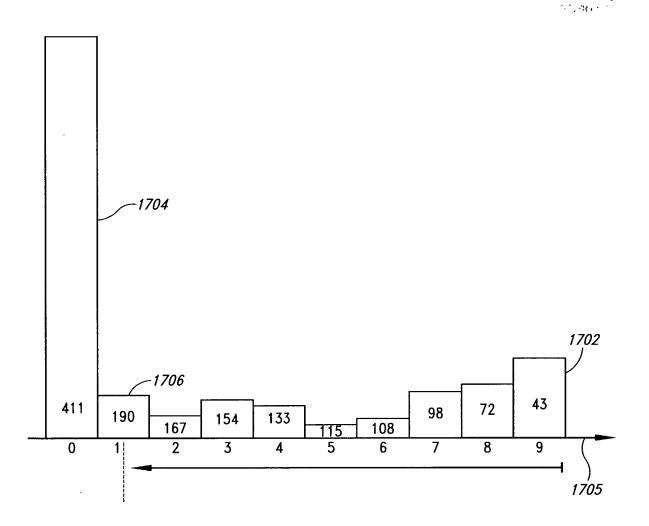


Fig. 17

Title: "Method and System for Extracting Data from Surface Array Deposited Features" [15]

Inventors: Zohar Yakhini et al. Application No. 10/086,839 Docket No. 10020406-1

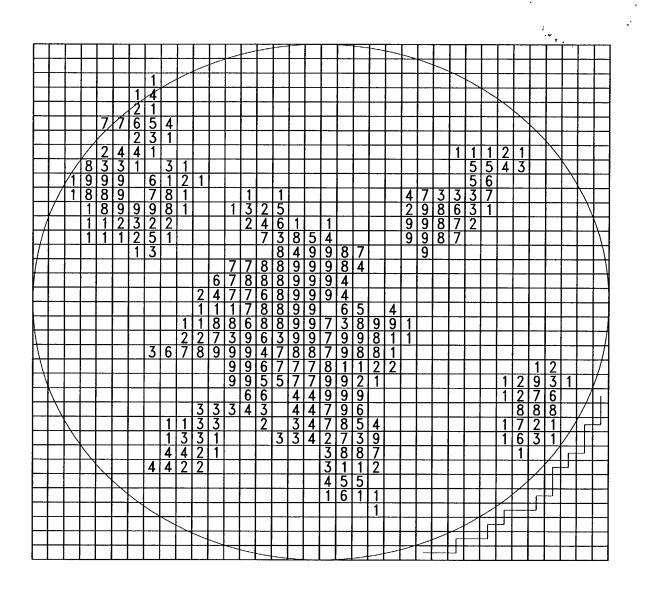


Fig. 18

Title: "Method and System for Extracting Data from Surface Array Deposited Features" ... 1919

Inventors: Zohar Yakhini et al. Application No. 10/086,839 Docket No. 10020406-1

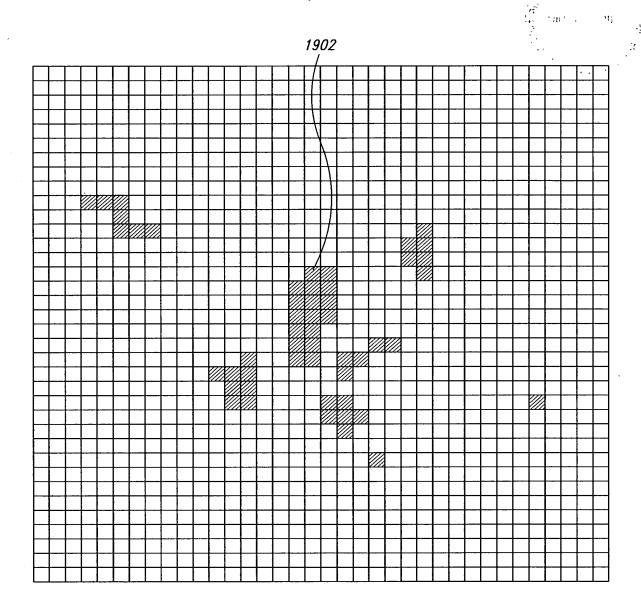


Fig. 19

Title: "Method and System for Extracting Data from Surface Array Deposited Features"

Inventors: Zohar Yakhini et al. Application No. 10/086,839 Docket No. 10020406-1

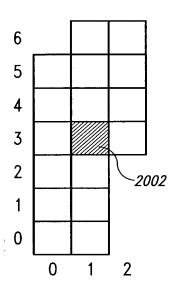


Fig. 20

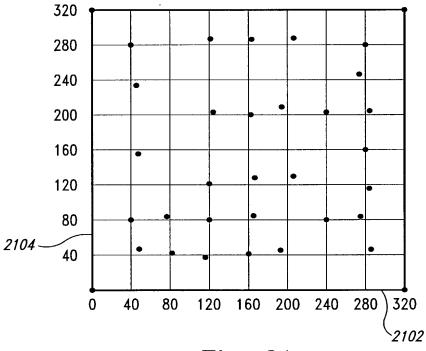
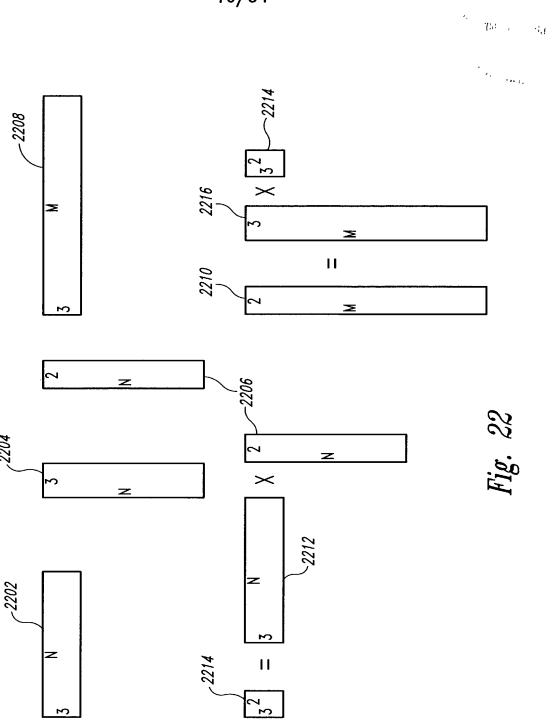


Fig. 21





Title: "Method and System for Extracting Data from Surface Array Deposited Features" | Inventors: Zohar Yakhini et al.

Application No. 10/086,839

Docket No. 10020406-1

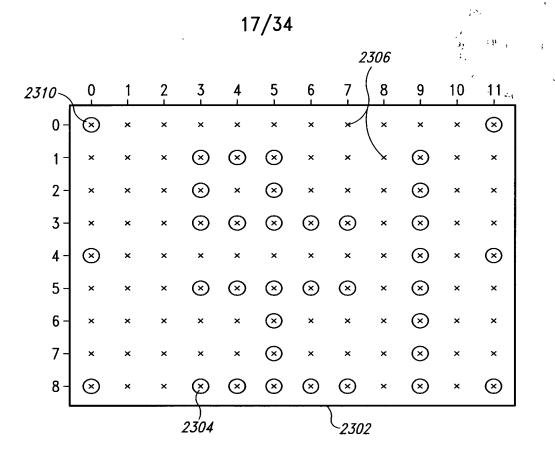


Fig. 23A

-0.017451 0.004029 0.016303 -0.008371 -0.005303 -0.002234 0.010040 -0.008497 -0.002360 0.009914 -0.005555 -0.002487 0.000582 0.003650 0.009788 -0.017956 0.009661 0.015798 -0.008876 -0.005808 -0.002739 0.003398 0.009535 -0.002865 0.009409 -0.002992 0.009282 -0.018461 -0.009255 -0.006187 -0.006187 -0.003019 0.003019 0.003019 0.003019 0.003019	-0.016036 -0.016920 -0.017425 -0.012535 -0.012661 -0.012788 -0.013293 -0.008656 -0.008908 -0.009413 -0.004776 -0.005029 -0.005155 -0.005281 -0.005534 -0.001654 -0.001907 0.002983 0.002857 0.002731 0.002604 0.002478 0.002478 0.002225 0.006610 0.006105 0.010490 0.009985 0.015001 0.014622 0.014369 0.014243 0.014117 0.013864 0.013611	0.198716 0.076562 0.006760 0.130329 0.112878 0.095428 0.025625 0.114293 0.079392 0.009590 0.098257 0.080807 0.063356 0.045905 0.028455 -0.006446 0.134573 -0.022482 -0.057383 0.066185 0.048735 0.031284 0.013834 -0.038518 0.015249 -0.038518 0.015249 -0.054554 -0.000787 -0.070589 0.070430 0.018078 0.000628 -0.016823 -0.034274 -0.051724 -0.086625 -0.121526

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	_
86.089577 383.000000 551.291059 212.931324 255.231273 297.287336 466.739268 212.698809 297.171645 466.523521 212.651844 254.917398 297.073053 339.361872 381.928982 466.615409 85.775819 466.525669 551.399497 212.009756 254.664292 296.787962 339.073554 381.649538 466.396305 296.617866 466.413707 296.652245 466.344320 85.168403 212.153659 254.556017 296.752238 339.075490 381.556377 466.149127 551.117647	26.017683 31.000000 26.359085 68.929091 69.194722 69.211879 68.997430 111.308354 111.213493 111.238239 153.379944 153.737417 154.102630 154.162067 155.3735791 195.305283 195.796267 195.886935 238.402912 238.423417 238.397928 238.498611 238.397928 238.367180 238.098358 281.180204 280.707080 323.094132 365.236585 365.236585 365.379902 365.379902 365.433413 365.535990 365.164216

42.336575	0.032847
-0.101626	42.265883
85.880412	26.859797

Fig. 25

Fig. 26

in war

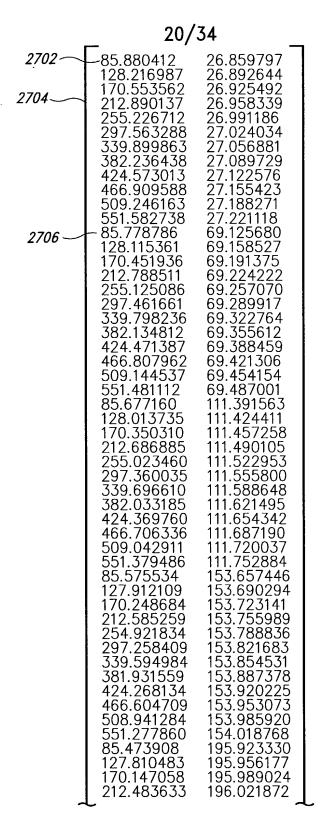


Fig. 27A

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254.820208 297.156783 196.054719 196.087566 339.493358 196.120414 196.153261 381.829933 196.186109 424.166508 196.218956 466.503083 508.839658 196.251803 551.176233 196.284651 85.372282 127.708857 238.189213 238.189213 238.222060 238.254907 238.287755 238.320602 238.353450 238.386297 238.451992 238.451992 170.045432 212.382007 254.718582 297.055157 339.391732 381.728307 424.064882 466.401457 508.738032 551.074607 238.484839 238.517687 238.550534 280.455096 85.270655 127.607230 280.487943 280.520791 280.553638 280.586485 169.943806 212.280381 254.616956 296.953531 339.290106 280.619333 280.652180 280.685028 280.717875 381.626681 423.963256 466.299831 280.750722 508.636406 280.783570 280.816417 550.972981 322.720979 85.169029 322.753826 127.505604 322.786674 169.842179 322.819521 212.178754 322.852369 254.515330 322.885216 296.851905 339.188480 381.525055 322.918063 322.950911 322.983758 423.861630 323.016606 466.198205 323.049453 508.534780 550.871355 323.082300 85.067403 364.986862 365.019710 365.052557 127.403978 169.740553 365.05257 365.085404 365.118252 365.151099 365.183947 365.216794 365.249641 365.282489 365.315336 365.348184 212.077128 254.413703 296.750278 339.086854 381.423429 423.760004 466.096579 508.433154 550.769729

Fig. 27B



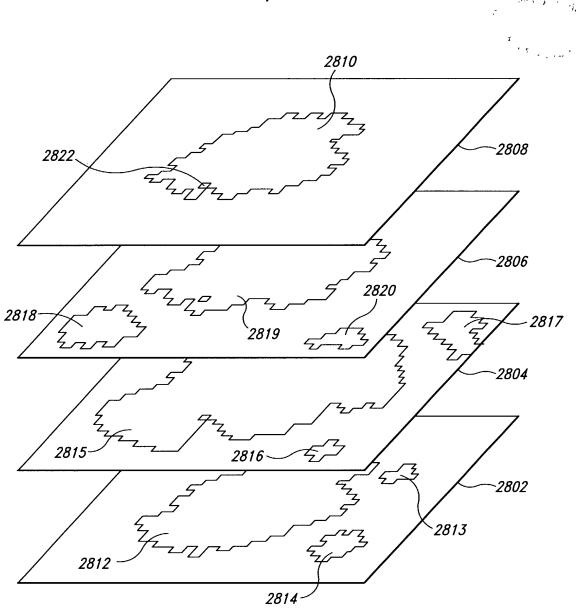


Fig. 28

Title: "Method and System for Extracting Data from Sulface Alray Deposited Features". La Called

Inventors: Zohar Yakhini et al. Application No. 10/086,839 Docket No. 10020406-1

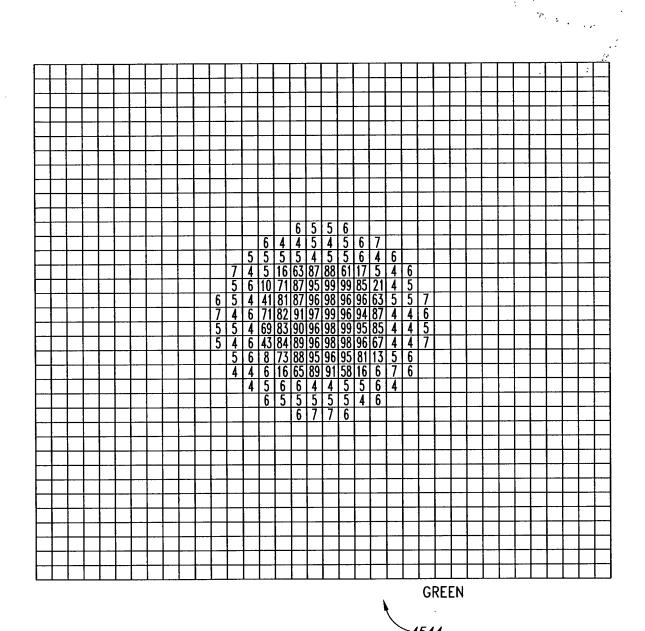


Fig. 29

Title: "Method and System for Extracting Data from Surface Artlay Deposited Features" (2 5 5 5 5 5

Inventors: Zohar Yakhini et al. Application No. 10/086,839 Docket No. 10020406-1

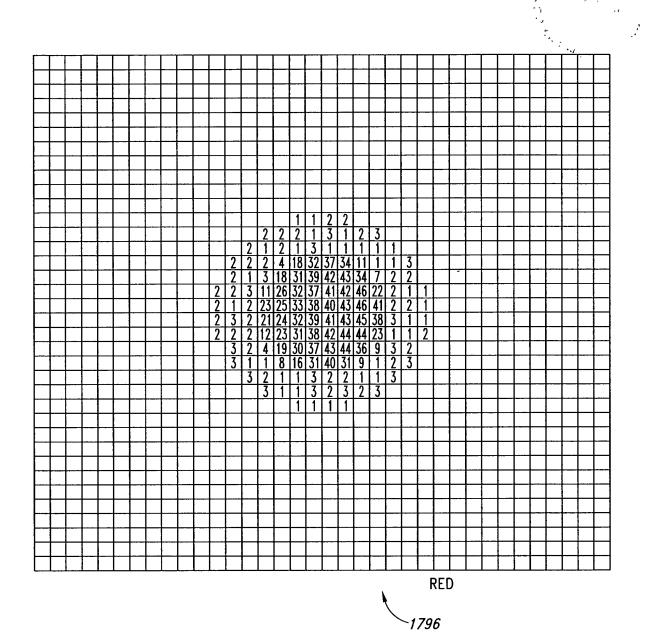


Fig. 30

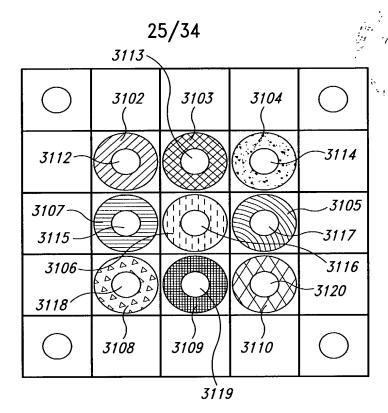


Fig. 31

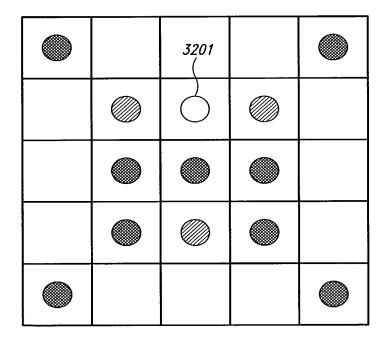
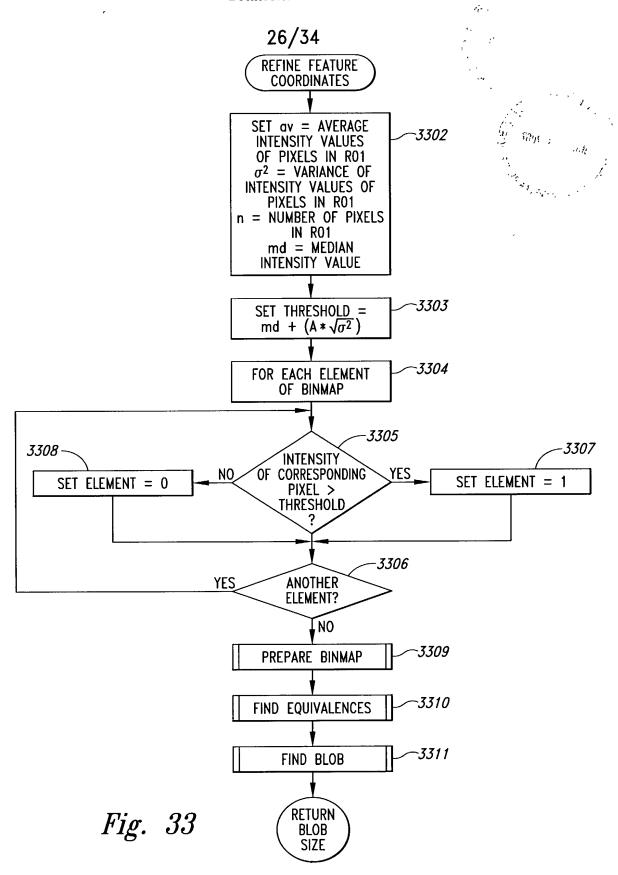
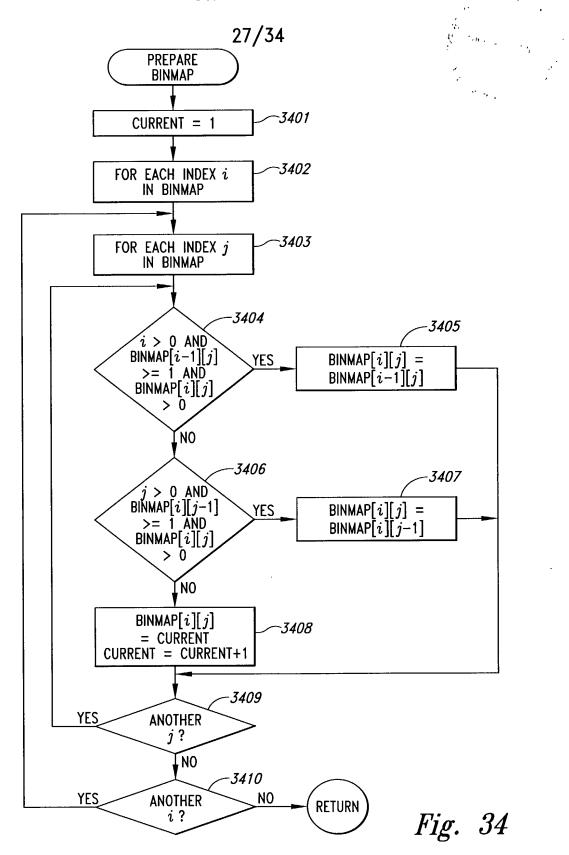


Fig. 32





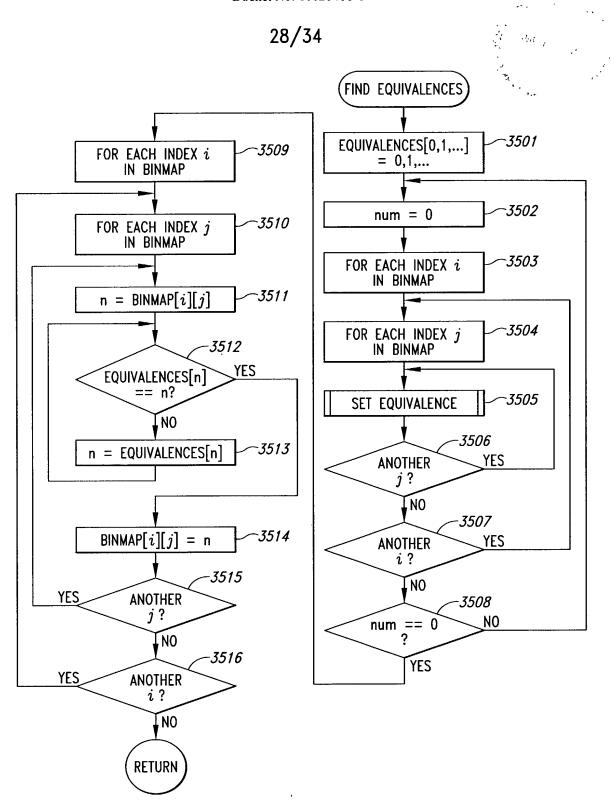


Fig. 35

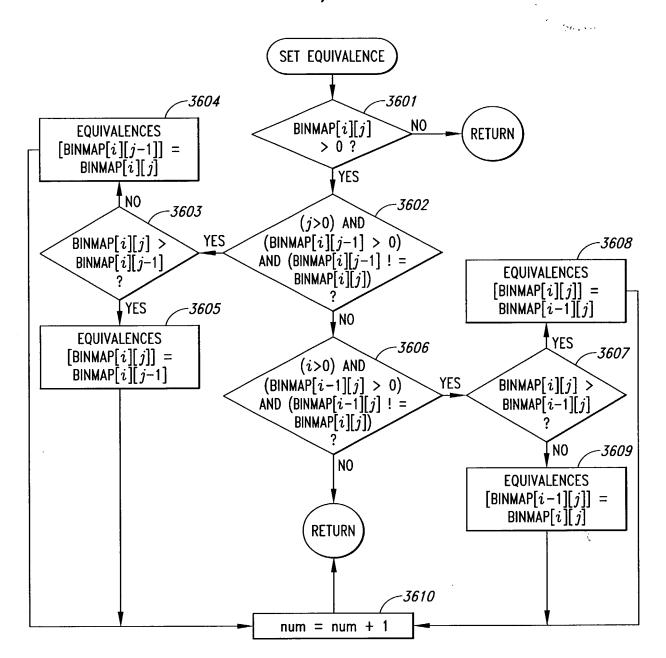
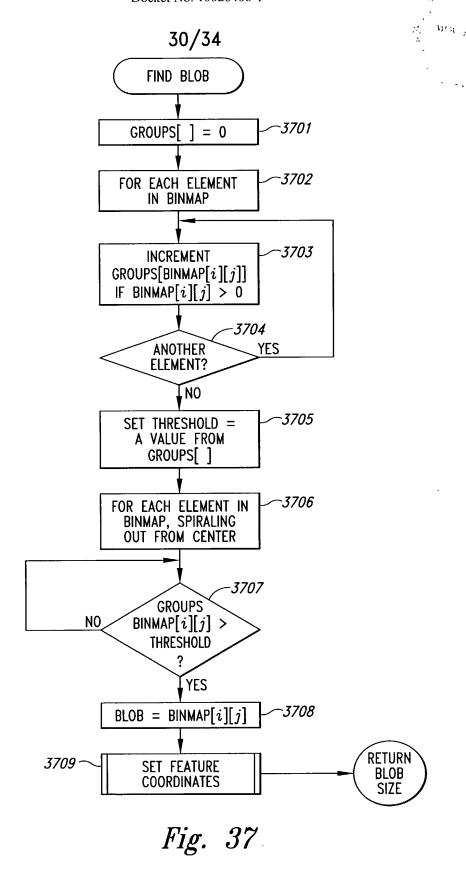


Fig. 36



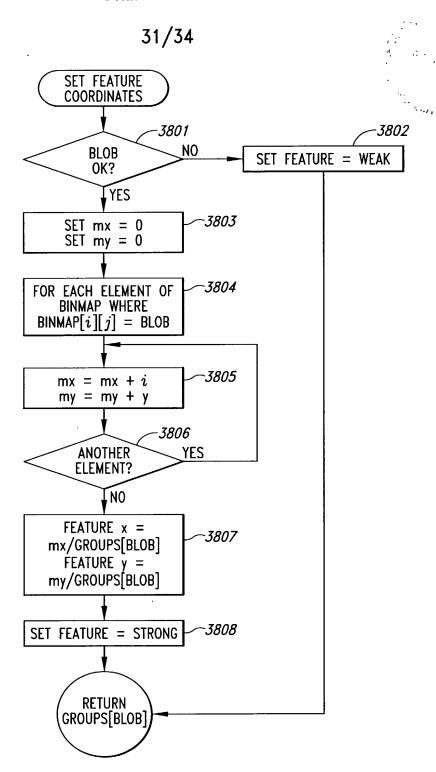


Fig. 38

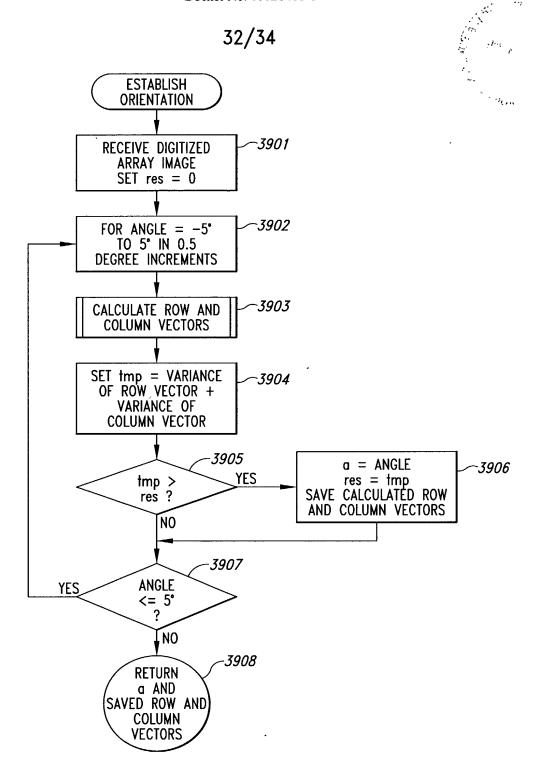
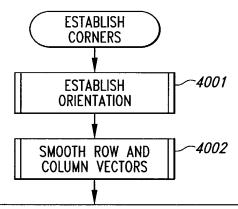


Fig. 39

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low_y = POSITION OF LEFT-HAND PEAK IN ROW VECTOR
high_y = POSITION OF RIGHT-HAND PEAK IN ROW VECTOR
low_x = POSITION OF LEFT-HAND PEAK IN COLUMN VECTOR
high_x = POSITION OF RIGHT-HAND PEAK IN COLUMN VECTOR

SET PIXEL COORDINATES OF FEATURE (0, 0) = (low_x, low_y)

SET PIXEL COORDINATES OF FEATURE (0, maxColumn) = (low_x, high_y)

SET PIXEL COORDINATES OF FEATURE (maxRow, 0) = (high_x, low_y)

SET PIXEL COORDINATES OF FEATURE (maxRow, maxColumn) = (high_x, high_y)

4003

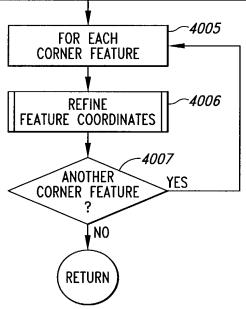


Fig. 40

